


## Project types that are most favorable for PoAs

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## PoA essentials



What is a PoA? Programme of Activities is :

- A voluntary action,
- Implementing a policy, measure or stated goal,
- Coordinated by a public or private entity,
- Resulting in emission reductions or removals that are additional.

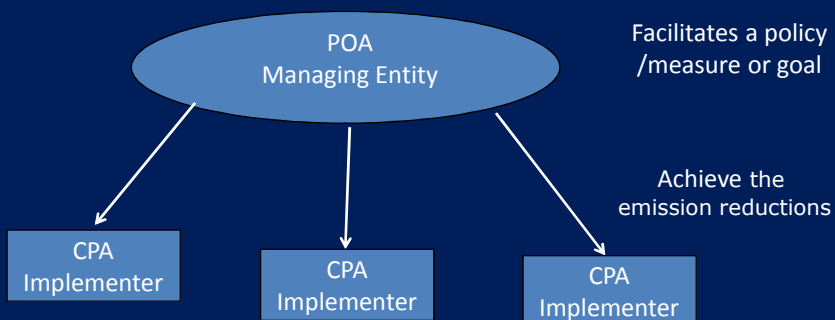
Origin of PoA:

- COP/MOP decision - local/regional/national policies or standards cannot be considered as CDM project activities, but
- project activities under a PoA can be registered as a single CDM project activity

## PoA essentials



- PoA is made up of CDM Programme Activities (CPAs)
- CPA a project activity under a programme of activities which can be successively added during the lifetime of the PoA .
- PoAs and CPAs at large and small-scale level



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## Advantages / Disadvantages of PoA



### Advantages:

- The individual project activities need not to be defined in advance
- The exact sites of the project activities (CPAs) need not to be defined in advance
- CPAs can be added after the registration (the initial costs can be reduced)
- PoA can involve CPAs running in multiple countries
- PoA lifetime can be up to 28 years
- Aggregation of SSC can go beyond SSC limits

### Disadvantages:

- Only one methodology can be used for project development
- Responsibility of the DOE for the inclusion of an CPA
- New validation is required in case the applied methodology is modified

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## PoA suitable sectors



PoA suitable for sectors with following characteristics:

- ✓ Small to medium size units
- ✓ Geographically dispersed
- ✓ Temporarily dispersed
- ✓ Large numbers of owners

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## PoA focus groups



- Three focus groups are specially suitable for PoA:
  - ✓ Households
  - ✓ Small industry (i.e. small-size projects with high replication potential)
  - ✓ Transport



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## Current situation



- Significant interest for PoA
  - the possibility to involve the sectors that haven't been covered by CDM/JI so far
- Insufficient knowledge about PoA
  - Lack of experience and unclear procedures for PoA make it more risky than CDM/JI project activities
- Less attractive for DOEs and project developers
  - Previously mentioned disadvantages make PoA less attractive especially for DOEs
- Rules and procedures for PoA adopted
  - procedures for PoA adopted on EB 32

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## Current situation -projects



- Many registered projects have PoA character
  - registered before the adoption of PoA procedures by the EB
  - many developed as bundled SSC projects
- No PoA project registered so far
- 5 CDM PoA projects are applying for validation

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## Project types favorable for PoA



The project types that can be applied for PoA are practically all existing types, especially:

- ❖ energy efficiency
- ❖ renewable energy (i.e. fuel switch)
- ❖ methane avoidance (small landfills, wastewater and manure management) and other types

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## RENEWABLE ENERGY (Fuel Switch)



- ✓ Biomass (e.g. biogas in households, solid biomass for heating)
- ✓ Solar energy utilisation in buildings and houses (PV and solar panels)
- ✓ Heat pumps in households and public buildings



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## ENERGY EFFICIENCY



- ✓ Households and buildings
  - ❖ replacing lightbulbs , isolation, improved cooking stoves
- ✓ Small industry EE measures
  - ❖ boiler replacement, process optimisation



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## OTHER TYPES



- ✓ Methane avoidance:
  - ✓ small landfills
  - ✓ waste composting
  - ✓ animal manure management
  - ✓ wastewater lagoons
- ✓ Replacement of fuel and EE in transport sector
- ✓ Replacement of vehicles in transport sector
- ✓ Plant oil for cooking

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## List of PoAs applying for Validation



ID	Title	Country	Info
PoA0001	Installation of Solar Home Systems	Bangladesh	AMS-I.A
PoA0001.1	Installation of Solar Home Systems (IDCOL)		
PoA0002	Methane capture and combustion from Animal Waste Management System (AWMS)	Brazil	AMS-III.D
PoA0002.1	BRA/SC – 678228 S02 / 3SP – AWMS/SI		
PoA0003	New Energies Commercial Solar Water Heating Programme in South Africa	South Africa	AMS-I.C
PoA0003.1	New Energies Commercial Solar Water Heating Programme in South Africa CPA Nr. 1		
PoA0004	CUIDEMOS Mexico – Smart Use of Energy	Mexico	AMS-II.C
PoA0004.1	CUIDEMOS Mexico – Smart Use of Energy Puebla		
PoA0005	Municipal Waste Compost Programme	Uganda	AMS-III.F
PoA0005.1	Municipal Waste Composting Project for Jinja Municipality		

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## Overview of the existing CDM PoAs



- Renewable energy projects:
  - Installation of Solar Home Systems in Bangladesh
    - ❖ production of electricity from solar energy for the user
  - New Energies Commercial Solar Water Heating Programme in South Africa
    - ❖ introduction of solar based water heating technologies

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## Overview of the existing CDM PoAs



- Energy efficiency projects:
  - CUIDEMOS Mexico – Smart Use of Energy
    - ❖ distribution of energy efficient lightbulbs to households
- Other types projects:
  - Methane capture and combustion from Animal Waste Management System (AWMS) in Brazil –
    - ❖ methane emissions avoidance by biogas digestors introduction and flaring
  - Municipal Waste Compost Programme in Uganda
    - ❖ avoidance of methane emissions through composting

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## Conclusions



- The interest and potential of PoA is huge,
- The unclear procedures and rules have to be modified in order that PoA reaches its potential,
- PoA presents a possibility for a greater development of projects in the sector of households and small industry,
- PoA development in small households can support the sustainable development in the least developed countries,
- Most favorable project types for PoA are RE and EE in households and small industry, as well as small scale methane avoidance

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*Thank you for your attention!*



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